

Data File : VU034815.D
Acq On : 25 Sep 2019 20:20
Operator : JC/SP
Sample : K4983-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDM0

Quant Time: Sep 26 07:00:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 06:56:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	432849	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	407566	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	188047	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	196818	44.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.84%
7) Chloroethane-d5	1.67	69	170448	49.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.54%
11) 1,1-Dichloroethene-d2	2.26	63	261240	34.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.62%
21) 2-Butanone-d5	4.15	46	390300	114.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.92%
24) Chloroform-d	4.62	84	333555	51.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.56%
26) 1,2-Dichloroethane-d4	5.28	65	228566	48.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.52%
32) Benzene-d6	5.32	84	701066	55.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.00%
36) 1,2-Dichloropropane-d6	6.31	67	249224	56.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.88%
41) Toluene-d8	7.54	98	660443	54.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.90%
43) trans-1,3-Dichloropropene-	7.83	79	102257	48.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.70%
47) 2-Hexanone-d5	8.29	63	271427	122.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	122.39%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	332565	54.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.56%
64) 1,2-Dichlorobenzene-d4	11.84	152	224904	57.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.08%

Target Compounds

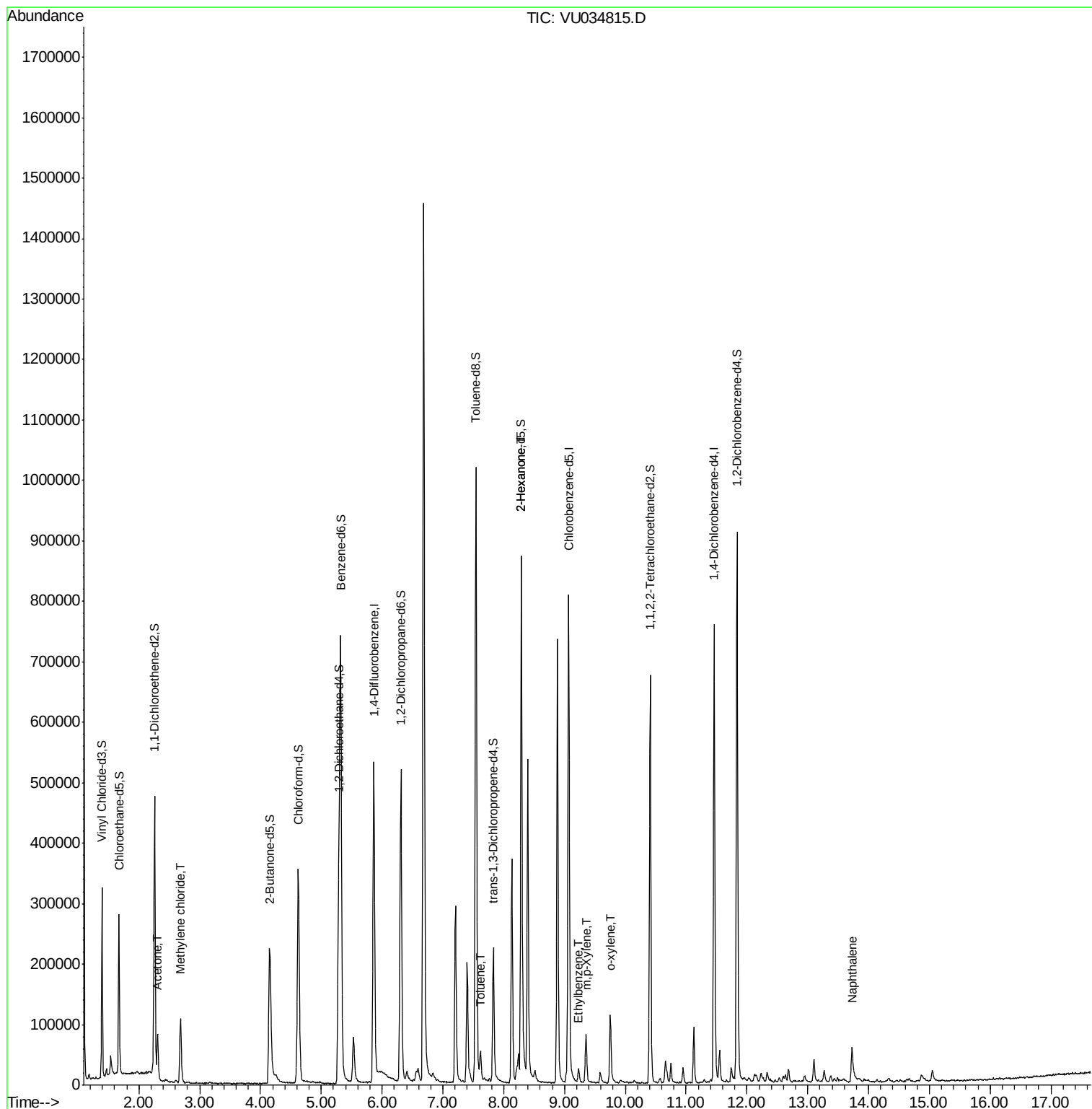
					Qvalue
13) Acetone	2.31	43	80467	20.368 ug/L	97
16) Methylene chloride	2.68	84	42365	11.810 ug/L	90
42) Toluene	7.62	91	34358	2.249 ug/L	97
48) 2-Hexanone	8.29	43	123187	19.628 ug/L #	52
52) Ethylbenzene	9.23	91	16774	0.975 ug/L	98
53) m,p-Xylene	9.35	106	21150	3.471 ug/L	90
54) o-xylene	9.76	106	15130	2.511 ug/L	84
69) Naphthalene	13.73	128	60160	5.065 ug/L	96

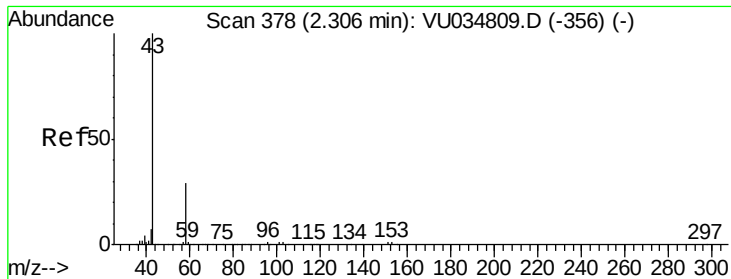
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 20.368 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

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Acq: 25 Sep 2019 20:20

Instrument :

MSVOA_U

ClientSampleId :

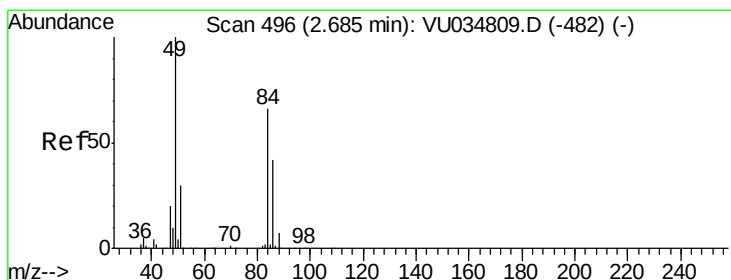
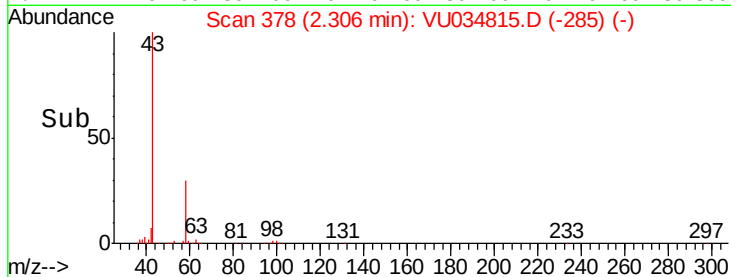
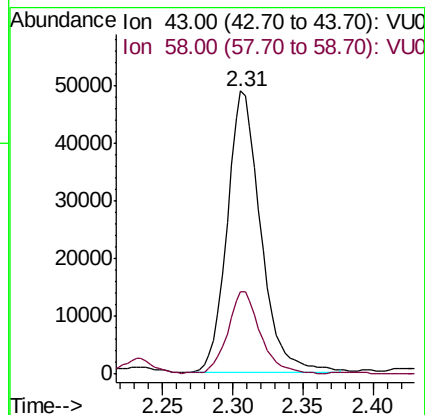
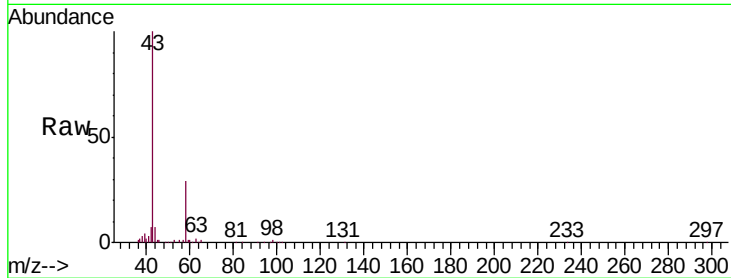
BFDM0

Tgt Ion: 43 Resp: 80467

Ion Ratio Lower Upper

43 100

58 28.3 0.0 53.4



#16

Methylene chloride

Concen: 11.810 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

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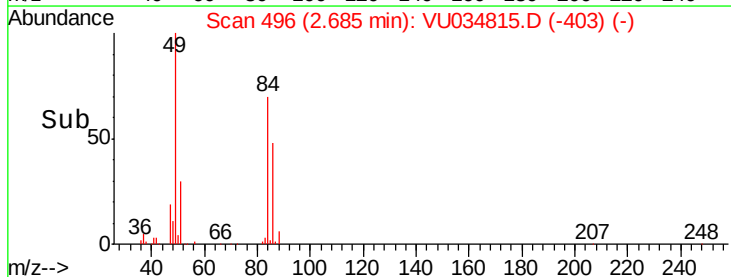
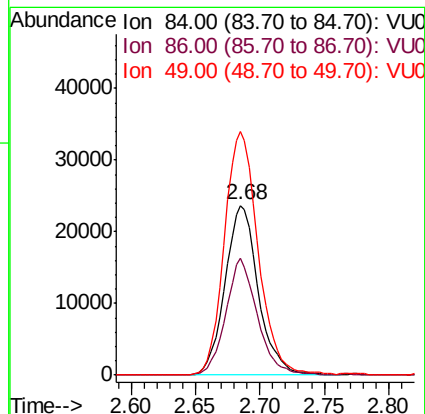
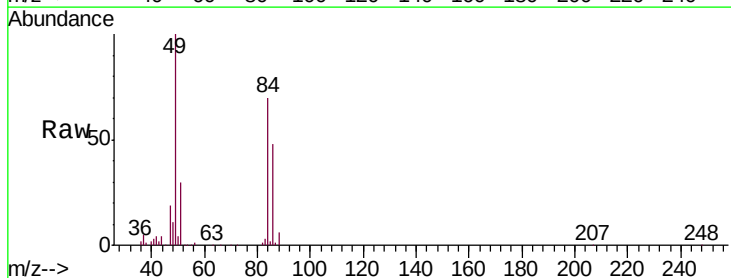
Tgt Ion: 84 Resp: 42365

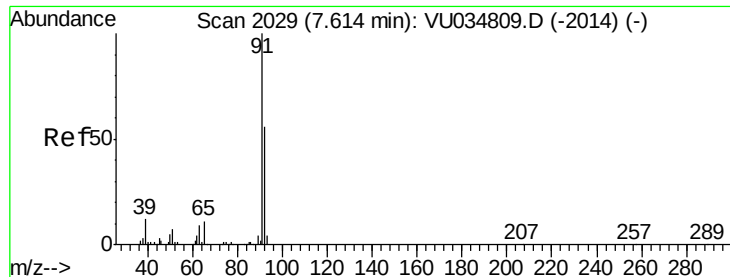
Ion Ratio Lower Upper

84 100

86 68.9 43.0 80.0

49 143.3 109.7 203.7





#42

Toluene

Concen: 2.249 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034815.D

Acq: 25 Sep 2019 20:20

Instrument :

MSVOA_U

ClientSampleId :

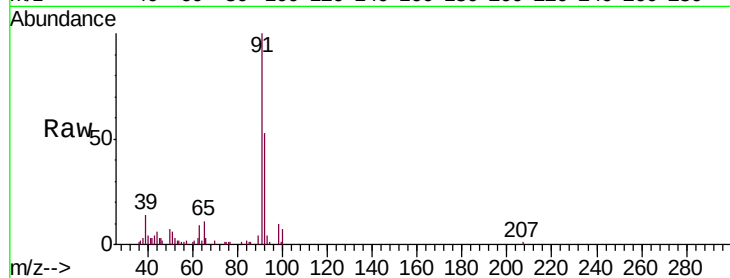
BFDM0

Tgt Ion: 91 Resp: 34358

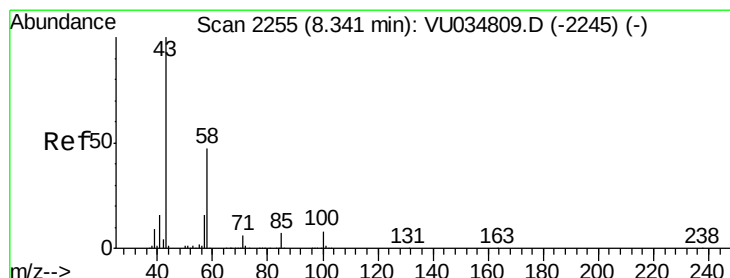
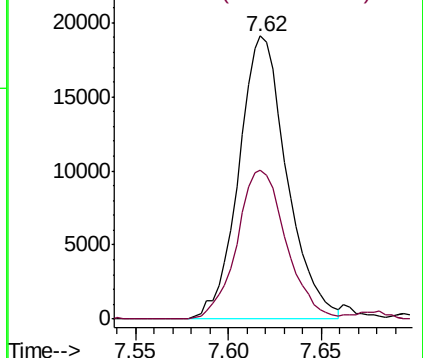
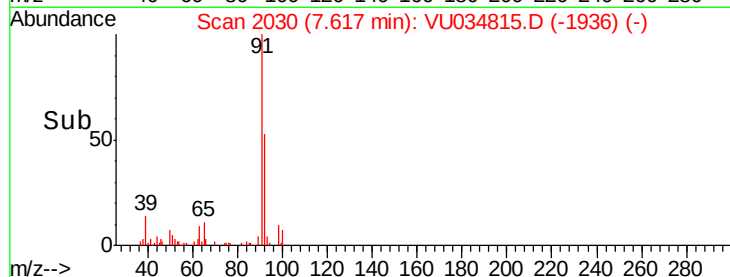
Ion Ratio Lower Upper

91 100

92 52.5 38.2 71.0



Abundance Ion 91.00 (90.70 to 91.70): VU034815.D (-1936) (-)



#48

2-Hexanone

Concen: 19.628 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. -0.05 min

Lab File: VU034815.D

Acq: 25 Sep 2019 20:20

Tgt Ion: 43 Resp: 123187

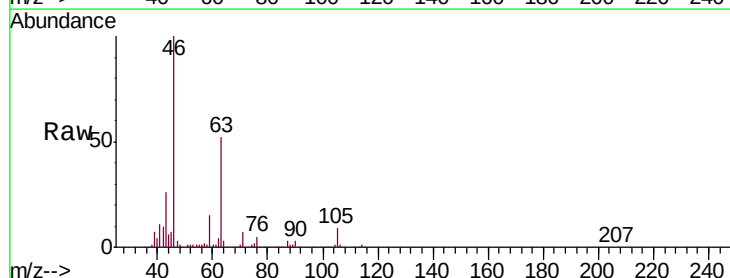
Ion Ratio Lower Upper

43 100

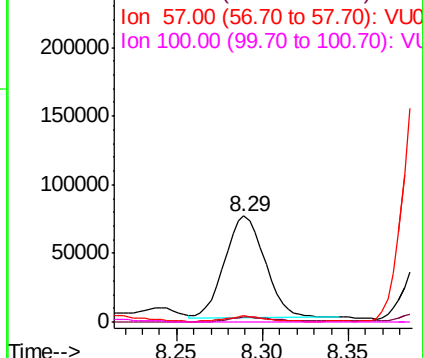
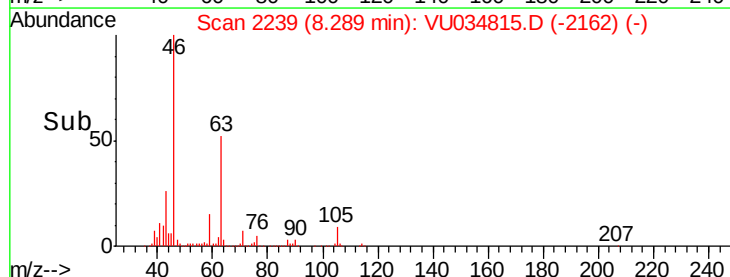
58 5.0 35.3 52.9#

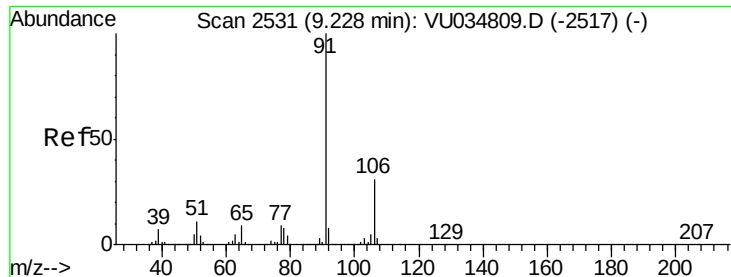
57 4.7 12.1 18.1#

100 0.0 6.2 9.4#



Abundance Ion 43.00 (42.70 to 43.70): VU034815.D (-2162) (-)





#52

Ethylbenzene

Concen: 0.975 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034815.D

Acq: 25 Sep 2019 20:20

Instrument :

MSVOA_U

ClientSampleId :

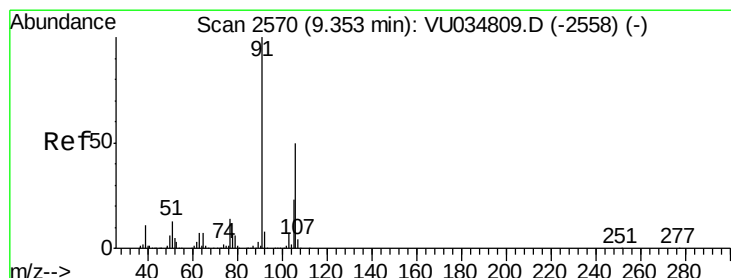
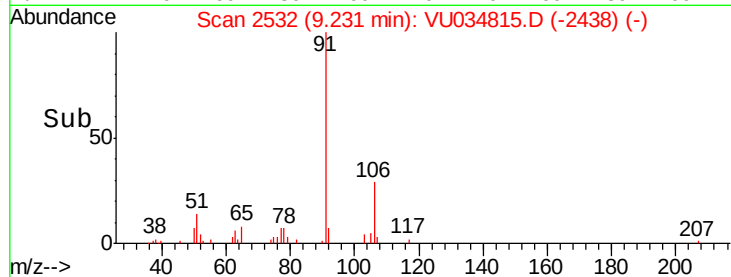
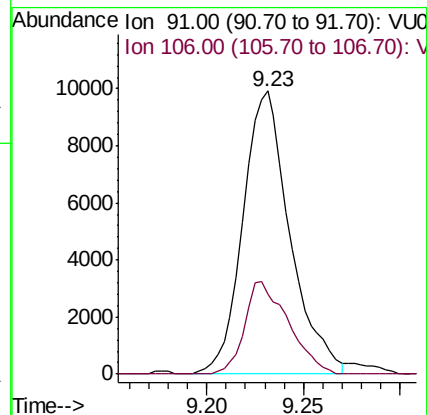
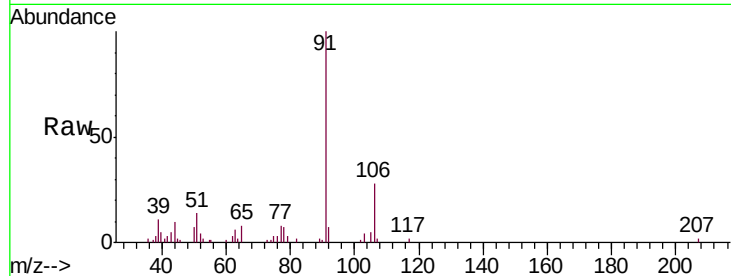
BFDM0

Tgt Ion: 91 Resp: 16774

Ion Ratio Lower Upper

91 100

106 28.4 20.6 38.4



#53

m,p-Xylene

Concen: 3.471 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034815.D

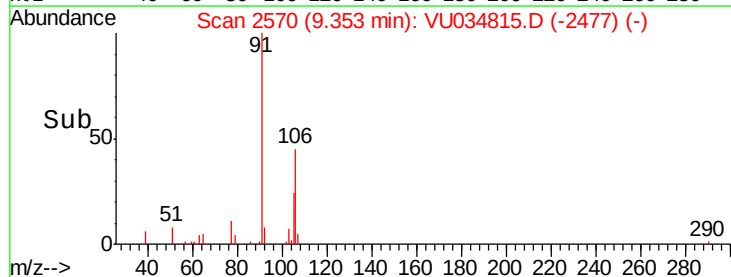
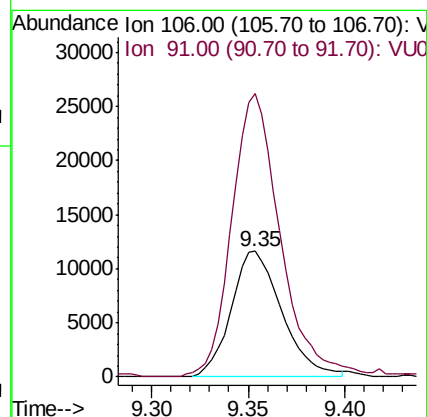
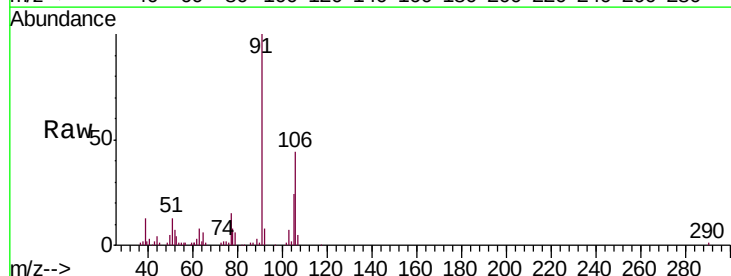
Acq: 25 Sep 2019 20:20

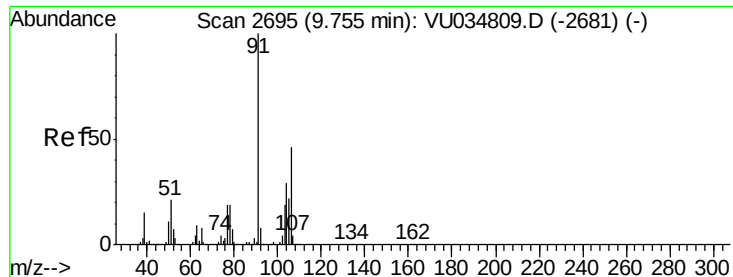
Tgt Ion: 106 Resp: 21150

Ion Ratio Lower Upper

106 100

91 225.4 146.9 272.7

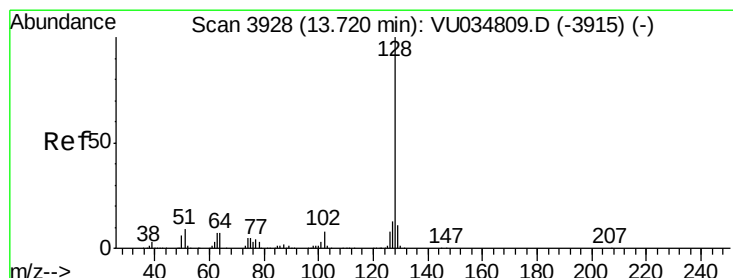
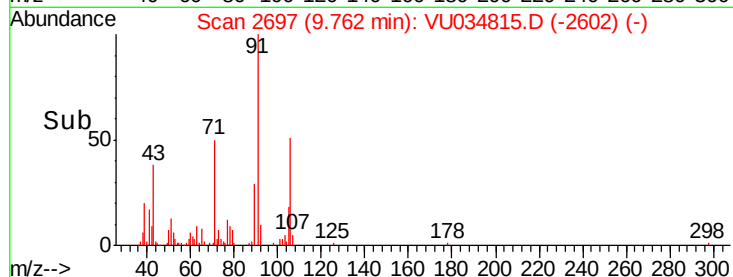
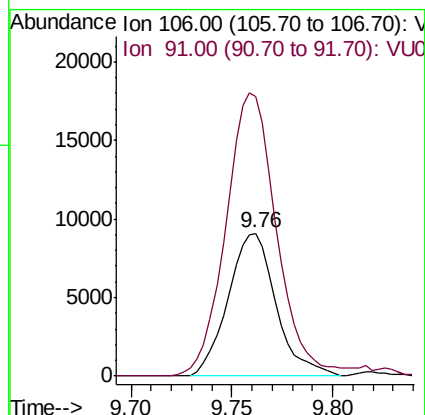
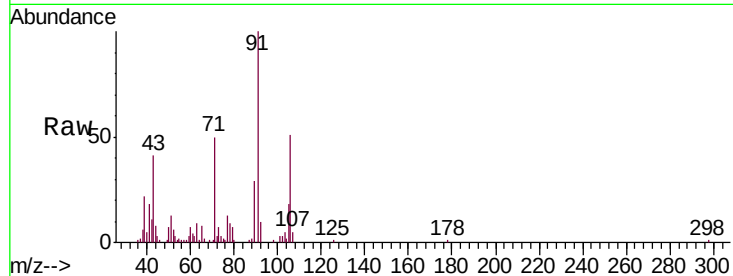




#54
o-xylene
Concen: 2.511 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.01 min
Lab File: VU034815.D
Acq: 25 Sep 2019 20:20

Instrument :
MSVOA_U
ClientSampleId :
BFDM0

Tgt Ion:106 Resp: 15130
Ion Ratio Lower Upper
106 100
91 195.9 155.6 289.0



#69
Naphthalene
Concen: 5.065 ug/L
RT: 13.73 min Scan# 3931
Delta R.T. 0.01 min
Lab File: VU034815.D
Acq: 25 Sep 2019 20:20

Tgt Ion:128 Resp: 60160
Ion Ratio Lower Upper
128 100
127 11.3 10.8 16.2
129 11.2 8.6 12.8

